

What is claimed is:

1. A method for measuring a water absorption of a porous cell structure as a standard for setting conditions for carrying a catalyst component, the method comprising
5 the steps of:

regarding an amount of a particulate material sticking to the surface of a partition wall constituting a cell of the porous cell structure and the surface of a pore in the partition wall as the water absorption of the porous
10 cell structure to measure the sticking amount.

2. The method for measuring a water absorption of the porous cell structure according to claim 1, wherein the particulate material is a compound of any one or two or
15 more of a gas, a liquid, and a solid.

3. The method for measuring a water absorption of the porous cell structure according to claim 2, wherein the particulate material is a steam which is fed into the
20 porous cell structure in a contained state in air to stick to the surface of the partition wall constituting the cell of the porous cell structure and the surface of the pore in the partition wall.

25 4. A method for measuring a water absorption of a porous cell structure as a standard for setting conditions for carrying a catalyst component, the method comprising

the steps of:

charging a liquid into a cell channel of the porous cell structure and a pore in a partition wall constituting the cell in advance;

5 subsequently discharging the charged liquid to the outside of the porous cell structure; and

regarding an amount of the liquid sticking/remaining onto the surface of the partition wall and the surface of the pore in the partition wall as the
10 water absorption of the porous cell structure to measure the amount of the liquid.

5. A method for displaying information of water absorption of a porous cell structure, the method
15 comprising the steps of:

measuring a water absorption of a porous cell structure according to a water absorption measuring method which comprises regarding an amount of a particulate material sticking to the surface of a partition wall
20 constituting a cell of the porous cell structure and the surface of a pore in the partition wall as the water absorption of the porous cell structure to measure the sticking amount; and

displaying information on the water absorption and
25 a dry mass of the porous cell structure whose water absorption has been measured or information only on the water absorption on the surface of the porous cell

structure.

6. A method for displaying information of water absorption of a porous cell structure, the method

5 comprising the steps of:

measuring a water absorption of a porous cell structure according to a water absorption measuring method which comprises charging a liquid into a cell channel of the porous cell structure and a pore in a partition wall
10 constituting the cell in advance; subsequently discharging the charged liquid to the outside of the porous cell structure; and regarding an amount of the liquid sticking/remaining onto the surface of the partition wall and the surface of the pore in the partition wall as the
15 water absorption of the porous cell structure to measure the amount of the liquid; and

displaying information on the water absorption and a dry mass of the porous cell structure whose water absorption has been measured or information only on the
20 water absorption on the surface of the porous cell structure.

7. The method for displaying information of water absorption according to claim 5, wherein a display form of
25 the information is a character.

8. The method for displaying information of water

absorption according to claim 6, wherein a display form of the information is a character.

5 9. The method for displaying information of water absorption according to claim 5, wherein a display form of the information is a bar code.

10 10. The method for displaying information of water absorption according to claim 6, wherein a display form of the information is a bar code.

15 11. The method for displaying information of water absorption according to claim 7, further comprising the steps of: displaying the information in ink.

12. The method for displaying information of water absorption according to claim 9, further comprising the steps of: displaying the information in ink.

20 13. The method for displaying information of water absorption according to claim 11, wherein the step of displaying the information in ink is an ink jet process or a thermal transfer process.

25 14. The method for displaying information of water absorption according to claim 12, wherein the step of displaying the information in ink is an ink jet process or

a thermal transfer process.

15. The method for displaying information of
water absorption according to claim 7, further comprising
5 the steps of: displaying the information by laser.

16. The method for displaying information of
water absorption according to claim 9, further comprising
the steps of: displaying the information by laser.

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17. The method for displaying information of
water absorption according to claim 7, further comprising
the steps of: displaying the information by sand blast.

15 18. The method for displaying information of
water absorption according to claim 9, further comprising
the steps of: displaying the information by sand blast.

19. The method for displaying information of
20 water absorption according to claim 7, further comprising
the steps of the information by chemical corrosion.

20. The method for displaying information of
water absorption according to claim 9, further comprising
25 the steps of the information by chemical corrosion.

21. A method for carrying catalyst on a porous

cell structure, the method comprising the steps of:

reading information on a water absorption and a
dry mass or information only on the water absorption
displayed on the surface of the porous cell structure
5 according to a water absorption information display method
which comprises the steps of; measuring a water absorption
of a porous cell structure in the water absorption
measuring method which comprises regarding an amount of a
particulate material sticking to the surface of a partition
10 wall constituting a cell of the porous cell structure and
the surface of a pore in the partition wall as the water
absorption of the porous cell structure to measure the
sticking amount, and displaying information on the water
absorption and a dry mass of the porous cell structure
15 whose water absorption has been measured or information
only on the water absorption on the surface of the porous
cell structure, and

adjusting carrying conditions of a catalyst
component onto the porous cell structure by a wash coating
20 process based on the information.

22. A method for carrying catalyst on a porous
cell structure, the method comprising the steps of:

reading information on a water absorption and a
25 dry mass or information only on the water absorption
displayed on the surface of the porous cell structure
according to a water absorption information display method

which comprises the steps of; measuring a water absorption
of a porous cell structure in the water absorption
measuring method which comprises charging a liquid into a
cell channel of the porous cell structure and a pore in a
5 partition wall constituting the cell in advance,
subsequently discharging the charged liquid to the outside
of the porous cell structure; and regarding an amount of
the liquid sticking/remaining onto the surface of the
partition wall and the surface of the pore in the partition
10 wall as the water absorption of the porous cell structure
to measure the amount of the liquid, and

displaying information on the water absorption and
a dry mass of the porous cell structure whose water
absorption has been measured or information only on the
15 water absorption on the surface of the porous cell
structure.